ACE/TDSD/SBR/16/17-18
dt 15/6/17

Original/Duplicate/Triplicate

No. 1st and Final Bill

CONTRACT CERTIFICATE

(For Other Works)

Date : .....

Division DD

Sub-Division

Bill Received No. 103 Dated 21/6/17

Cash Book Voucher No. ..... Dated :.....

Scheduled Doctet No. .....

Head of Account .....

Name of work (as per sanctioned estimate) WARD DEVELOPMENT WORK IN WARD NO. 14, IN BANGALGUNTE

Name of Contractor and Full Address M/S. TECHNICAL MANAGER (WEST) KRIDL

Reference to Agreement No. EE/DD/WO/ 71 / 2017-18 Date: 11.5.2017

Certified that the measurements were taken by me on 15/6/2017 and recorded in pages 87326/5562392 of measurements Book No. 5674/16-17 and that the work is satisfactorily executed.

Contractor

EXECUTIVE ENGINEER-1
KRIDL, BBMP DIVISION
BENGALURU-560 010

Officer - in - charge of work

Certified that the measurements were checked by me on ..... and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

JOB NO : 014-17-000055

If Memorandum of Payment — *Sub - Division Officer*

		AMOUNT
1.	Total value of work done or supplies made as per account. --	1st and Final Bill → ₹498355=00
2.	Deduct amount to be held in reserve being ..... percent Rs.	IT → 14948=00
3.	- do - Balance --	VAT → 29993=00
4.	Deduct Payments :	LWC → ₹498=00
	a) Amount of previous payment as in the Office Cash Book Voucher No..... Dated ..... S.D. No.	FSD → 37491=00
	Amount adjusted towards cash advance recovery of	LR → 93=00
	b) Payments cost store or other materials supplied.	CBF → ₹498=00
5.	Balance being unpaid value of work done held in reserve	Total -- (-) 100103=00
6.	Deduct cash advance made on the office Cash Book Vehicle No. ..... dated ..... less adjustments	
7.	Net amount due to or from contractor	
	Unadjusted items	
8.	Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied.	
	Total amount adjusted --	6497324=00

Contractor Signature

Received Rs. ..... (in words)

.....

..... by cash and by adjustment of

Payment as per memorandum.

Witness : (In final settlement of all demand)

1.

2.

Date

Paid by me by cheque No..... Dated .....

Cash Rs. ..... Dated .....

Initials of Officer making payment dated .....

EXECUTIVE ENGINEER-1
KRIDL, BBMP DIVISION
BENGALURU-560 010
(For use in the Office)

Stamp

Signature of Contractor

EXECUTIVE ENGINEER-1
KRIDL, BBMP DIVISION
BENGALURU-560 010

Audited and admitted for Rs. ₹498355=00

Passed by Cheque for Rs. 6497324=00

.....

.....

by adj. 100103=00

Director

Exe. Engineer

	Items of work (grouped under sub-heads the sub works of the estimate)	Unit	Previous Measurement		Present Measurement			Total Up-to-date		Remarks
			Qty	Cost	Qty	Rate Rs. Ps.	Cost	Qty	Cost	
1	KSRRB 300-1 : Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 metres and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. icluding conveying the excavated earth silt debris and over burden earth etc., to lead of 5 kms distance by using directon of engineer in charge of work	Cum			276.92	175.96	48727.00	276.92	48727.00	
2	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs, with 40 mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth,including cost of all materials, labour HOM of machinery curing complete as per specifications.	Sqm			43.72	5159.02	225552.00	43.72	225552.00	
3	Providng anbd laying plain / reinforced cement concrete for side drains using M20 nominal mix Concrete with OPC cement at 300kgs. With 20mm and down size granite metal coarse aggregaes at 0.69cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls abd bottom including centering, strutting cost of materials HOM of Machinery, curing etc., complete excluding cost of steel as per MORTH specifications. for wall & bottom thickness 15cm Drain concrete	Cum			107.32	11032.48	1184006.00	107.32	1184006.00	
4	KSRRB M2200-6: Supplying, fitting and placing TMT bar reinforcement in sub-structure as per drawing and Technical Specifications complete as per specifications. MORTH Specification No.1600 & 2200	Tonne			6.14	74331.44	456395.00	6.14	456395.00	
5	KSRB 5-14.1 : Providing and construction load bearing wall with solid concrete block of Size 400x200x200mm having block density not less than 1800kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to IS 2185 (Part 1) : 2005 and constructed CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges scaffolding, curing, hire charges of machineries etc., Complete as specification(	Sqm			64.00	993.22	63566.00	64.00	63566.00	
6	KSRB 4 - 1.6 : Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs, with 20 mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation plinth and cills including cost of all materials, labour HOM of machinery curing complete as per specifications.	Cum			1.68	5767.46	9689.00	1.68	9689.00	
7	Supplying and fixing precast reinforced concrete slab 10cm thick of mix M20 using 20MM and downsize graded granite metal using reinforcement 10mm dia steel at 150mmc/c bothways cost, transpotation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges, labour, charges inclusive of cost of all materials -Data rate approved by chief Engineer, Dasarahalli ZONE.	Sqm			310.50	1680.00	521640.00	310.50	521640.00	
8	KSRRB M600-1 : Construction of dry lean cement concrete mix CC 1:1.5:10 with OPC cement @ 160 Kgs, with 25mm and down size graded granite metal coarse aggregate at 0.86 cum and fine aggregates @ 0.58cum Sub-base over a prepared sub-grade with (coarse and fine aggregate conforming to IS : 383), aggregate cement ratio not to exceed 15:1 aggregate gradation after blending to be as per Table 600-1, cement content not to be less than 160 kg/cum, optimum moisture content to be determined during traial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specificat	Cum			21.00	3986.66	83720.00	21.00	83720.00	
9	Cement Concrete Pavement:- Construction un-reinforced plain cement concrete pavement, thickness as per design over a prepared sub base with OPC cement or any other type as per clause 1051.2.2. with 25mm and down size graded granite metal coarse aggregates and fine aggregates, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, mixed in a concrete mixer of not less than 0.6 cum capacity and and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing) Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrance, sealant primer, joint sealant, admixtures as approved curing compound, finishing to lines and grades as per drawing complete as per specifications. M30 (at 360 kg per cum coarse aggregate @ 0.69 cum and fine aggregate @ 0.46 cum)	Cum			65.62	6217.96	408023.00	65.62	408023.00	
10	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift	Sqm			382.50	95.40	36491.00	382.50	36491.00	
11	Providing groove cutting for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine, generator & HOM of machinery, including cost of cutting machine, generator & HOM of machinery, including cost of blade, coolant etc., including cleaning of groove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all materials,	Rmt			63.00	121.90	7680.00	63.00	7680.00	

	Items of work (grouped under sub-heads the sub works of the estimate)	Unit	Previous Measurement		Present Measurement			Total Up-to-date		Remarks
			Qty	Cost	Qty	Rate Rs. Ps.	Cost	Qty	Cost	
12	KSRRB 300-14 : Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, transporting to the embankment location within all lifts and leads upto 1000 metres complete as per specifications.	Cum			300.50	137.80	41409.00	300.50	41409.00	
13	KSRRB 300-50 : Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by road roller attached with scarifier without disturbing the base and stacking the debris materials including cost of all labour charges, HOM of machineries complete as per specifications.	Sqm			2430.00	30.74	74698.00	2430.00	74698.00	
14	KSRRB 300-58 : Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications.	Sqm			3255.00	5.30	17252.00	3255.00	17252.00	
15	KSRRB M400.7 : Construction of granular sub-base by providing coarse graded material, spreading in uniform layers with mortor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with vibratory roller to achieve the desired density, complete as per specifications.	Cum			448.50	1518.98	681263.00	448.50	681263.00	
16	KSRRB M400.17 : Providing, laying, spreading and compacting graded stone aggregates to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.	Cum			501.50	1768.08	886692.00	501.50	886692.00	
17	KSRRB 500-6 : Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM, WMM including clearing of road surface and spraying primer at the rate of 0.60 kg/sqm using meachanical means complete as per specifications.	Sqm			2990.00	29.68	88743.00	2990.00	88743.00	
18	KSRRB 500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.	Sqm			7420.00	12.72	94382.00	7420.00	94382.00	
19	KSRRB 500-11 : Providing and laying bituminous macadam on prepared surface with cushed coarse aggregates as per design mix formula for base/binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, but excluding cost of primer / tack coat including lead, lift and cost of all materials, labour, HOM of machineries complete as per specification.	Cum			149.50	5669.94	847656.00	149.50	847656.00	
20	KSRRB M500-19 : Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No.500.9 complete in all respects complete as per specifications.	Cum			132.90	8013.60	1065007.00	132.90	1065007.00	
21	KSRRB M800-13 : Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications.	Sqm			67.50	542.72	36634.00	67.50	36634.00	
	Total						**6879225.00**		**6879225.00**	
	Add : 8% KRIDL Charges + 1% Q C Charges						**619130.00**		**619130.00**	
	Total						**7498355.00**		**7498355.00**	

CERTIFICATE:

1 Work done is satisfactory

2 There are no departmental issuesmade to the contractor

3 The contractor has cleared all debrice from work spot

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು